INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.	SERIAL NO.
1941-[illegible]	09/481,988
APPLICANT(S)	
Paul J. BRUINSMA et al.	
FILING DATE	GROUP
[illegible] 1/11/00	1700

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
[illegible]	1	5,858,457	01/12/99	Brinker et al.	—	—	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

[illegible]		1	C.T. Kresge, M.E. Leonowocz, W.J. Roth, J.C. Vartuli & J.S. Beck, Ordered Mesoporous Molecular Sieves Synthesized a Liquid-Crystal Template Mechanism, Nature, vol. 359, Oct. 22, 1992
[illegible]		2	Jeffrey S. Beck and James C. Vartuli, Recent Advances in the Synthesis, Characterization and Applications of Mesopor Molecular Sieves, Curr, Opinion in Solid State and Material Science, 1996, 1: 76-87 (No month avail.).

EXAMINER	DATE CONSIDERED
[signature]	3/15/04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Includ copy of this form with next communication t applicant.

Docket Number (Optional)	Application Number
1941-7	09/481,988

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

OIPE DEC 3 1 2003 PATENT & TRADEMARK OFFICE

Applicant(s)	
Paul J. BRUINSMA et al	
Filing Date	Group Art Unit
~~Herewith~~ 1/11/00	1755

*EXAMINER INITIAL		OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*
	3	J.S. Beck, J.C. Vartuli, W.J. Roth, M.E> Leon wicz, C.T> Kresge, K.D. Schmitt, C.T-W Chu, D.H. Olson, E.W. Sheppa S.B. McCullen, J.B. Higgins and J.L. Schlenker, A New Family of Mesop rous Molecular Sieves Prepared with Liquid Crystal Templates, J. Am. Chem. Soc., 1992, 114:10835 (No month avail.).
	4	Qisheng Huo, David I. Margolese, Ulike Ciesla, Dirk G. Demouth, Pingyun Feng, Thurman E. Gier, Peter Sieger, Ali Firouzi, Bradley F. Chmelka, Ferdi Schuth and Galen D. Stucky, Organization of Organic Molecules with Inorganix Molecular Species into Nanocomposite Biphase Arrays, Chem. Mater. 1994, 6: 1176-1191 (No month avail.).
	5	A. Firouzi, D. Kumar, L.M. Bull, T. Besier, P. Sieger, Q. Iluo, S.A. Walker, J.A. Zasadzinski, C. Glinka, J. Nicol, D. Margolese, G.D. Stucky, B.F. Chmelka, Cooperative Organization of Inorganic-Surfactant and Biomimetic Assemblies, Science vol. 267, Feb. 24, 1995, pp. 1138-1143.
	6	Peter T. Taney and Thomas J. Pinnavaia, A Neutral Templating Route to Mesoporous Molecular Sieves, Science, vol. 26 Feb. 10, 1995, pp. 865-867.
	7	Stephen A. Bagshaw, Eric Prouzet and Thomas J. Pinnavaia, Templating of Mesoporous Molecular Sieves by Nonionic Poyletheylene Oxide Surfactants, Science vo. 269, Sep. 1, 1995, pp. 1243-1244.
	8	Peter T. Taney and Thomas J. Pinnavaia, Mesoporous Silica Molecular Sieves Prepared by Ionic and Neutral Surfactan Templating: A Comparison of Physical Properties, Chem. Mater. 1996 vo. 8, 2068-2079 (No month avail.).
	9	David M. Antonelli and JAckie Y. Ying, Synthesis of a Stable Hexagonally Packed Mesoporous Niobium Oxide Molecul Sieve Through a Novel Ligand-Assisted Templating Mechanism, Angew, Chem. Int. Ed. Engl., 1996, vol. 35, No. 4, pp. 426-430 (No month avail.).
	10	David M. Antonelli and Jackie Y. Ying, Synthesis and Characterization of Hexagonally Packed Mesoporous Tantalum Oxide Molecular Sieves, Chem. Mater. 199, vol. 8, pp. 874-881 (No date avail.).
	11	Ilrike Siesla, Stefhan Schacht, Glen D. Stucky, Klaus K. Unger and Ferdi Schuth, Formation of a Porous Zirconium Ox Phosphate with a High Surface Area by a Surfactant-Assisted Synthesis, Angew, Chem. Int. Ed. Engl. 1996, 35, No. 5, p 541-543 (No month avail.).
	12	Sandra L. Burkett, Stephen D. Sims and Stephen Mann, Synthesis of Hybrid Inorganic-Organic Mesoporous Silica by Co-Condensations of Siloxane and Oranosiloxane Precursors, Chem. Commun., 1996, pp. 1367-1368 (No month avail.).
	13	K.R. Kloetstra, J.C. Jansen and J. Van Bekkum, Composite Molecular Sieve Comprising MCM-41 with Intraporous ZS Structures, Symposium on Advances in FCC Conversion Catalysts presented before the Division of Petroleum Chemistr Inc. 211th National Meeting, American Chemical Society, New Orleans, LA, Mar. 24-29, 1996.
	14	Hong Yang, Neil Cooms, Igor Sokolov and Geoffrey A. Ozin, Free-standing and Oriented Mesoporous Silica Films Grov at the Air-Water Interface, Nature, vol. 381, Jun. 13, 1996, pp. 589-592. Same as 19

EXAMINER	DATE CONSIDERED
	3/15/04

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and considered. Include copy of this form with next communication to applicant.

P09B/REV04

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

OIPE JC67 DEC 31 2003 PATENT & TRADEMARK OFFICE

ATTY DOCKET NO.	SERIAL NO.
1941-7	09/481,988
APPLICANT(S) Paul J. BRUINSMA et al.	
FILING DATE Herewith	**GROUP** 1700

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4,913,966	04/03/90	Garvey	—	—	
		5,057,296	10/15/91	Beck	—	—	X
		5,098,684	03/24/92	Kresge	—	—	X
		5,102,643	04/07/92	Kresge	—	—	X
		5,104,515	04/15/92	Chu	—	—	X
		5,108,725	04/28/92	Beck	—	—	X
		5,112,589	05/12/92	Johnson	—	—	X
		5,145,816	09/08/92	Beck	—	—	X
		5,156,829	10/29/92	McCullen	—	—	X
		5,198,203	03/30/93	Kresge	—	—	X
		5,211,934	05/18/93	Kresge	—	—	X

FOREIGN PATENT DOCUMENTS

NO DATE

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
	F1	~~WO 91/11390~~		~~PCT~~			X	
	F2	~~WO 96/39357~~		~~PCT~~	—	—	X	

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

		R15	Chemical Abstracts, vol. 52: 798e
		R16	Organization of Organix Molecules with Inorganic Molecular Species in Nanocomnposite Biphase Arrays, Huo, et al, American Chemical Society, 1994, 6, pp. 1176-1191.

EXAMINER	DATE CONSIDERED
	3/15/04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Includ copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.	SERIAL NO.
1941-7	09/481,988
APPLICANT(S)	
Paul J. BRUINSMA et al.	
FILING DATE	**GROUP**
Herewith	1700

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,215,737	06/01/93	Chu			
		5,238,676	08/24/93	Roth			
		5,250,282	10/05/93	Kresge			
		5,256,277	10/26/93	DelRossi			
		5,264,203	11/23/93	Beck			
		5,300,277	04/15/94	Kresge			
		5,321,102	06/14/94	Loy			
		5,470,802	11/28/95	Gnade			
		5,472,913	12/05/95	Havemann			
		5,494,858	02/27/96	Gnade			
		5,504,042	04/02/96	Cho			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

		R17	Formation of Novel Oriented Transparent Films of Layered Silica-Surfactant Nanocomposites, M. Ogawa, American Checmical Socient, 1994, 116, pp. 7941-7942.
		R18	Synthesis of Oriented Films of Mesoporous Silica on Mica, Tang et al, Nature, vol. 379, 1996, p. 703.

EXAMINER [signature] **DATE CONSIDERED** 3/15/04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Includ copy of this form with next communication t applicant.

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.	SERIAL NO.
1941-7v	09/481,988
APPLICANT(S)	
Paul J. BRUINSMA et al.	
FILING DATE	**GROUP**
Herewith	1700

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,523,615	06/04/96	Cho			
		5,561,318	10/01/96	Gnade			
		5,565,142	10/15/96	Deshpande			
		5,622,684	04/22/97	Pinnavaia			
		5,625,108	04/29/97	Perego			
		5,647,962	07/15/97	Jansen			
		5,661,344	08/26/97	Havemann			
		5,723,368	03/03/98	Cho			
		5,736,425	04/07/98	Smith			
		5,753,305	05/19/98	Smith			
		5,789,819	08/04/98	Gnade			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

		X R19	Free-Standing and Oriented Mesoporous Silica Films Grown in the Air-Water Interface, Yanh et al., Nature, 1996, vol. 381, p. 589.
		X R20	~~The Physics and Chemistry of Sol-Gel Processing, SOL-GEL Science, Brinker et al, p. 109~~ (~~NO DATE REFERENCE~~)

EXAMINER	DATE CONSIDERED
	3/15/04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw lin through citation if not in conformance and not considered. Include copy of this form with next communication t applicant.

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.	SERIAL NO.
1941-7c	
APPLICANT(S) Paul J. BRUINSMA et al.	
FILING DATE Herewith	GROUP 1700

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,795,556	08/18/98	Jansen			
		5,795,559	08/18/98	Pinnavaia			
		5,800,799	09/01/98	Pinnavaia			
		5,804,508	09/08/98	Gnade			
		5,807,607	09/15/98	Smith			
		5,840,271	11/24/98	Carrazza			
		5,847,443	12/08/98	Cho			
		5,922,299	07/13/99	Bruinsma			
		5,364,797	11/15/94	Olson			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

		R21	A simple sol-gel route for the preparation of silica-surfactant mesostructured material, M. Ogawa, Chem, Commun. 19 pp. 1149-1150.
		R22	Continuous Mesoporous Silica Films with Highly Ordered Large Pore Structures, Zhao et al, Adv. Matter, 1998, vol. 16 pp. 1380-1385.

EXAMINER	DATE CONSIDERED
	3/16/04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Includ copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)	Application Number
1941-7	
Applicant(s)	
Paul J. BRUINSMA et al.	
Filing Date	**Group Art Unit**
Herewith	

OIPE

MAR 23 2004

PATENT & TRADEMARK OFFICE

*EXAMINER INITIAL		OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*
		Micelle Formation, Nonionic Surfactants, Schick, p. 815.
RDM	R23	~~AB DATE AVAILABLE~~

EXAMINER	DATE CONSIDERED
	3/15/04

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and considered. Include copy of this form with next communication to applicant.

P09B/REV04